

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056392 A1

(51) International Patent Classification⁷: A61K 39/395, 38/20

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/EP2003/014716

(22) International Filing Date: 22 December 2003 (22.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/435,344 23 December 2002 (23.12.2002) US

(71) Applicant (for all designated States except US): INNATE PHARMA [FR/FR]; Immeuble Grand Pré, 121, ancien Chemin de Cassis, F-13009 Marseille (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ROMAGNE, François [FR/FR]; Bat. A3, Les Hauts de Fontaine, F-13600 La Ciotat (FR). ANDRE, Pascale [FR/FR]; 38 rue de la Loubiere, 13006 Marseille (FR).

(74) Agents: BECKER, Phillippe et al.; Cabinet Becker et Associés, 35, rue des Marthurins, F-75008 Paris (FR).

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

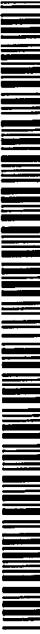
Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2004/056392 A1

(54) Title: PHARMACEUTICAL COMPOSITIONS HAVING AN EFFECT ON THE PROLIFERATION OF NK CELLS AND A METHOD USING THE SAME

(57) Abstract: The invention relates to pharmaceutical compositions having an effect on the proliferation of NK cells, to a method for specifically stimulating the proliferation of NK cells and to the use of same in the manufacture of a drug for the antitumoral prevention, palliation, and therapy of e.g., melanoma, hepatocarcinoma or lung adenocarcinoma and for anti-microbial prevention, palliation and therapy.